



Material Content Data Sheet



Sales Product Name		IKZ50N65NH5		Issued		19. January 2018		
MA#		MA001178592						
Package		PG-TO247-4-1		Weight*		6165.07 mg		
Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip	inorganic material	silicon	7440-21-3	4.698	0.08	0.08	762	762
leadframe	non noble metal	iron	7439-89-6	2.890	0.05		469	
	inorganic material	phosphorus	7723-14-0	0.867	0.01		141	
	non noble metal	copper	7440-50-8	2885.760	46.80	46.86	468082	468692
wire	non noble metal	aluminium	7429-90-5	13.513	0.22	0.22	2192	2192
encapsulation	organic material	carbon black	1333-86-4	20.039	0.32		3250	
	plastics	epoxy resin	-	380.734	6.18		61757	
	inorganic material	silicondioxide	60676-86-0	1603.092	26.00	32.50	260028	325035
leadfinish	non noble metal	tin	7440-31-5	23.087	0.37	0.37	3745	3745
plating	non noble metal	nickel	7440-02-0	1.945	0.03	0.03	316	316
solder	non noble metal	antimony	7440-36-0	0.393	0.01		64	
	noble metal	silver	7440-22-4	0.983	0.02		159	
	non noble metal	tin	7440-31-5	2.555	0.04	0.07	414	637
heatspreader	inorganic material	phosphorus	7723-14-0	0.367	0.01		60	
	non noble metal	iron	7439-89-6	1.225	0.02		199	
	non noble metal	copper	7440-50-8	1222.919	19.84	19.87	198362	198621
*deviation	< 10%		Sum in total:			100.00		1000000

Important Remarks:

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3. All statements are based on our present knowledge, are provided 'as is' and may be subject to change at any time due to technical requirements and development without notification.

This product is in compliance with EU Directive 2015/863/EU amending Annex II to EU Directive 2011/65/EU (RoHS) and does not use any exemption

Company	Infineon Technologies AG
Address	81726 München
Internet	www.infineon.com